

CITY OF SANTA BARBARA

PARKS AND RECREATION COMMISSION REPORT

AGENDA DATE: March 23, 2011

TO: Parks and Recreation Commission

FROM: Parks Division, Parks and Recreation Department

SUBJECT: Integrated Pest Management 2010 Annual Report

RECOMMENDATION: That the Commission accept the Integrated Pest Management (IPM) 2010 Annual Report and recommend that the report be forwarded to City Council.

DISCUSSION:

Background

The City of Santa Barbara adopted an IPM Strategy on January 26, 2004, to provide an ongoing specific program to further reduce the amount and toxicity of pesticides used on City property and, where feasible, to eliminate pesticide use in public areas using alternative methods. The City had been informally identifying and employing the least toxic alternatives since the 1990s. The City's IPM Strategy formalized this effort, and requires an annual program report to be presented to the IPM Advisory Committee, Parks and Recreation Commission, Airport Commission, and City Council.

In addition to reviewing annual program implementation, the 2010 Report discusses the Pesticide Hazard And Exposure Reduction (PHAER) Zone Model adopted by the City Council on February 14, 2006, and improvements to City facilities to reduce pesticide use. The IPM Strategy required the development of a "Zone System" tied to the IPM Approved Materials List to limit pesticide use based on potential human exposure.

The PHAER Zone model assigns Green, Yellow, or Red/Special Circumstances Zone designations to sites, or portions of sites, based upon the potential for exposure by humans and sensitive habitat to hazardous pesticides and allows use of carefully screened materials by zone designation. For example, Green Zones are areas of high human exposure potential and only pesticides designated as "Green", which show very limited human and environmental impacts may be used. Yellow Zones are areas with moderate human or environmental hazard. Red/Special Circumstances Zones are areas where high hazard pesticides for highly challenging pest management problems are needed to control pests. Overall, the Zone Model provides for incremental and measurable expansion of risk-reduction

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efforts, along with communicating clearly to the public the general potential for pesticide exposure.

The IPM 2010 Annual Report (Attachment 1) addresses the following:

- Types of pest problems encountered by each department
- Types and quantities of pesticides used by each department
- Exemptions currently in place and granted the past year
- Alternative pest management practices
- Effectiveness of alternative practices
- Proposed changes to pest management practices

IPM 2010 Program Highlights

In the 7th year of the IPM program, the City saw an increase in Green and Yellow materials use predominately to control mosquitoes. The use of Green Materials increased from 560 units to 2,061 units. The use of yellow materials increased from 1,134 units to 1,633 units. There was a decrease in the use of Red materials from 676 units to 289 units.

City-wide

- The total units of pesticides applied increased from 2,369.4 in 2009 to 3,983.2.
- Units of Green materials increased from 559.5 to 2.060.5.
- Units of Yellow materials increased from 1,133.9 to 1,633.4.
- Units of Red materials decreased from 676 to 289.3.
- The number of times pesticides were applied (including Green, Yellow, and Red materials) decreased from 211 in 2009 to 186.

Airport

- The units of pesticides applied increased from 2,261.9 in 2009 to 2,978.7.
- Units of Green materials increased from 516.9 to 1,168.9.
- Units of Yellow materials increased from 1,121.4 to 1,530.9.
- Units of Red materials decreased from 623.6 to 278.89
- The Airport spent 2,261.25 hours of manual weed control in PHAER Green areas and in native habitat restoration areas and 70.5 hours of mechanical gopher control.

<u>Creeks</u>

- The units of pesticides applied decreased from 11.4 in 2009 to .36.
- Units of Green materials decreased from 10 to zero.
- Units of Yellow materials decreased from 1.4 to .36.
- No Red materials were applied.
- 171 yards of mulch was spread.

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Golf

- The units of pesticides applied decreased from 55.2 in 2009 to 16.6.
- Units of Green materials increased from zero to .25.
- Units of Yellow materials increased from 2.7 to 6.0.
- Units of Red materials decreased from 52.4 to 10.4
- The golf course continues to brew microorganisms and compost tea for the greens.
- 3,000 yards of mulch was spread.

Parks Division

- The units of pesticides applied decreased from 18.8 in 2009 to 8.3.
- Units of Green materials decreased from 10 to 1.9.
- Units of Yellow materials decreased from 8.8 to 6.4.
- No Red materials were applied in 2010.
- 870 yards of mulch was spread.

Public Works

- The units of pesticides applied increased from 33.6 units in 2009 to 979.6.
- Units of Green materials increased from 32.6 to 889.5.
- Units of Yellow materials increased from 1 to 90.1.
- No Red materials were applied in 2010.

Waterfront Department

Mechanical trapping of 645 rats.

IPM Advisory Committee Recommendation

At a special meeting held March 8, 2011, the IPM Advisory Committee reviewed and approved the IPM 2010 Annual Report and recommended that the report be forwarded to the Parks and Recreation Commission, Airport Commission, and City Council for review and approval. A memo from Greg Chittick, Chair, on behalf of the IPM Advisory Committee is attached (Attachment 2).

ATTACHMENTS: 1. IPM 2010 Annual Report

2. Memo from IPM Advisory Committee

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